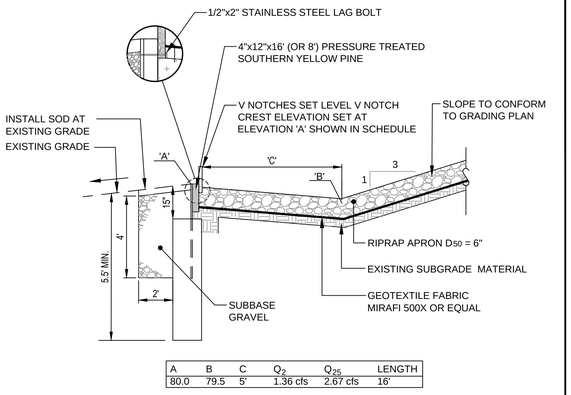
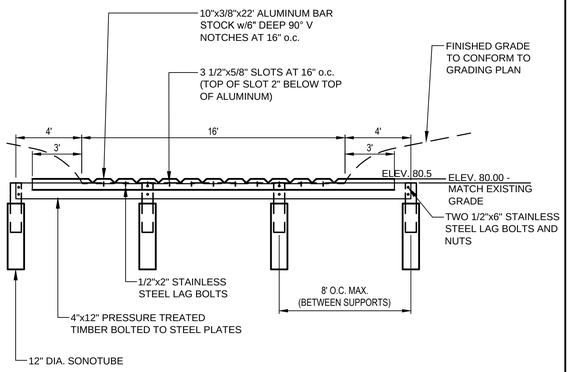


A	B	C	Q_2	Q_{25}	LENGTH
80.0	79.5	5'	1.36 cfs	2.67 cfs	16'

NOTE: LEVEL LIP (POINT 'A') SHOULD BE SET EVEN WITH EXISTING GROUND ELEVATION

TYPICAL SECTION



TYPICAL ELEVATION

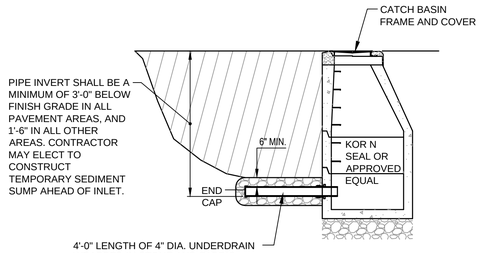
MAINTENANCE

THE LEVEL SPREADER SHOULD BE CHECKED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE IF THE LIP HAS BEEN DAMAGED AND TO DETERMINE THAT THE DESIGN CONDITIONS HAVE NOT CHANGED. ANY DETRIMENTAL SEDIMENT ACCUMULATION SHOULD BE REMOVED. IF RILLING HAS TAKEN PLACE ON THE LIP, THEN THE DAMAGE SHOULD BE REPAIRED AND RE-VEGETATED. THE VEGETATION SHOULD BE MOWED OCCASIONALLY TO CONTROL WEEDS AND THE ENCROACHMENT OF WOODY VEGETATION. CLIPPINGS SHOULD BE REMOVED AND DISPOSED OF OUTSIDE THE SPREADER AND AWAY FROM THE OUTLET AREA. FERTILIZATION SHOULD BE DONE AS NECESSARY TO KEEP THE VEGETATION HEALTHY AND DENSE.

CONSTRUCTION SPECIFICATIONS

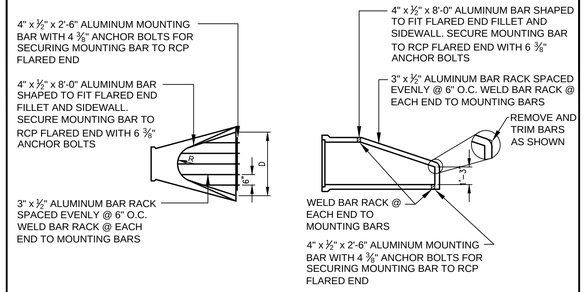
1. CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
3. AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SLIT TRENCH ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP. THE EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
4. THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXCELSIOR MATTING ALONG THE LIP. EACH STRIP SHALL OVERLAP THE EROSION STOP BY AT LEAST SIX INCHES.
5. THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED A 1 PERCENT GRADE FOR AT LEAST 50 FEET BEFORE ENTERING INTO THE SPREADER.
6. THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.

(A) LEVEL LIP SPREADER DETAIL
N.T.S.



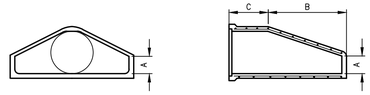
NOTE:
1. THE SUBGRADE DRAINAGE INLET SHALL BE USED TO PROVIDE SITE DRAINAGE UNTIL SUBBASE GRAVEL OR LOAM IS PLACED AND TO RELIEVE GROUND WATER LEVEL AFTER CONSTRUCTION.
2. THIS INLET DRAIN IS REQUIRED FOR ALL CATCH BASINS AND INLETS ON THE PROJECT UNLESS CONNECTED TO PERFORATED STORM DRAIN.

(C) INLET SUBGRADE DRAINAGE DETAIL
N.T.S.



PLAN VIEW - TYP EACH PIPE

SECTION



END VIEW

SECTION

DIA.	A	B	C	D	E	R
18"	9"	2'-3"	3'-10"	3'-0"	2½"	11"
24"	9½"	3'-7½"	2'-6"	4'-0"	3"	14"
30"	12"	4'-6"	1'-7¾"	5'-0"	3½"	15"
36"	15"	5'-3"	2'-10¾"	6'-0"	4"	1'-8"
42"	21"	5'-3"	2'-11"	6'-6"	4½"	22"
48"	24"	6'-0"	2'-2"	7'-0"	5"	22"
54"	27"	5'-5"	2'-11"	7'-6"	5½"	24"
60"	30"	5'-0"	3'-3"	8'-0"	6"	24"

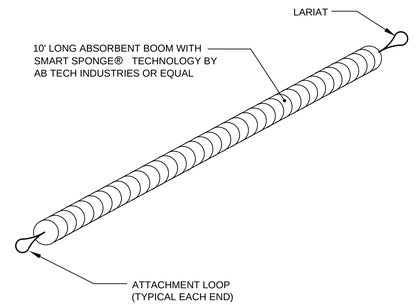
NOTE:
JOINTS MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE ENDS.

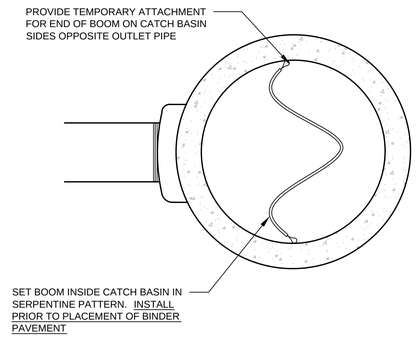
* BAR RACKS ARE ONLY REQUIRED ON PIPES 18" AND OVER IN SIZE.

* USE FIELD MITER FOR CULVERTS WITH A DIAMETER OF LESS THAN 18"

REQUIRED FOR ALL INLETS/OUTLETS FOR PIPE OVER 18" DIAMETER.

(D) RCP FLARED END WITH BAR RACK DETAIL
N.T.S.





PLAN VIEW LOOKING INTO CATCH BASIN

NOTES:
1. REQUIRED FOR ALL CATCH BASINS WHICH RECEIVE RUNOFF FROM PAVED AREAS.
2. REFER TO EROSION CONTROL REPORT FOR ADDITIONAL INFORMATION.
3. CONTRACTOR MAY SELECT OTHER TYPE OF EQUIVALENT OIL ABSORBENT PRODUCTS.
4. SUBMITTALS ARE REQUIRED FOR THESE ITEMS.

TEMPORARY WATER QUALITY MEASURE INSIDE OF CATCH BASINS

(E) N.T.S.

REV	DATE	DESCRIPTION
3	08.03.15	FINAL PLANS ISSUED TO CITY OF PORTLAND, ISSUED FOR CONSTRUCTION
2	07.22.14	REMOVED DETAIL D AND SUBMITTED AMENDED PLANS TO CITY AND MEDEP
1	04.09.13	SUBMITTED TO MEDEP STORMWATER DISCHARGE PERMIT

REVISIONS

STATE OF MAINE — STEPHEN R. BUSHEY — No. 7429 — LICENSED PROFESSIONAL ENGINEER

P.E. STEPHEN BUSHEY
LIC. # 7429

PROJECT
MULTI-USE DEVELOPMENT
2282 CONGRESS ST., PORTLAND, ME

SHEET TITLE
EROSION CONTROL DETAILS

CLIENT
CJ DEVELOPERS, INC.
35 PRIMROSE LANE, FREEPORT, MAINE 04032
AND PORTLAND PROPERTY HOLDINGS, LLC
2 MAIN STREET, SUITE 200, TOPSHAM, MAINE 04086

FST 100 YEARS
FAY, SPOFFORD & THORNDIKE
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN:	CMW	DATE:	OCTOBER 2013	
DESIGNED:	SRB	SCALE:	N.T.S.	
CHECKED:	SRB	JOB NO.	3118	
FILE NAME:	3118-DET			

SHEET C-8.8